

Docket No. 287530US0X PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Keiichi YANO

SERIAL NO: New U.S. PCT Application Based on PCT/JP04/14686

GAU:

FILED: Herewith

EXAMINER:

FOR: LIGHT EMITTING DEVICE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon

Registration No. 24,618
Corwin P. Umbach, Ph.D.
Registration No. 40,211

Surinder Sachar
Registration No. 34,423

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 287530US0X PCT		SERIAL NO. New U.S. PCT Application Based on PCT/JP04/14686	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Keiichi YANO			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5 124 234	06/23/92	WAKATA et al.			
	AB	6 274 924	08/14/01	CAREY et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	09-293904	11/11/97	JP		NO	
	AP	10-279377	10/20/98	JP		NO	
	AQ	1 059 667	12/13/00	EP (equivalent of US6489637 & US6548832)		NO	
	AR	10-215001	08/11/98	JP		NO	
	AS	2003-23183	01/24/03	JP		NO	
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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Keiichi YANO

Docket No. 287530 US

STATEMENT OF RELEVANCY

- 1) References AA & AO - AS have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References are discussed in the specification. A copy of these references is being submitted herewith.
- 4) Reference AB is additional prior art known to Applicant. A copy of this reference is being submitted herewith.

AB: US6,274,924 B1

"Surface Mountable LED Package", Julian A. Carey et al., United States Patent No. 6,274,924 B1. Filing Date: November 5, 1998. Date of Patent: August 14, 2001.

This prior art information discloses a surface mountable LED package including a heat-sinking slug that is inserted into an insert-molded lead frame. The slug may include an optical reflector cup. Within this cup, the LED and a thermally conducting sub-mount may be attached. Wire bonds extend from the LEDs to metal leads. The metal leads are electrically and thermally isolated from the slug. An optical lens may be added by mounting a pre-molded thermoplastic lens and a soft encapsulant or by casting epoxy to cover the LED or by a cast epoxy lens over a soft encapsulant.